ActivBoard 500 **PRO** Adjustable System

INTERACTIVE WHITEBOARD SYSTEM

ActivBoard 500 Pro combines the latest in multi-touch interactive whiteboard technology with dynamic and intuitive Dual-User Pen and Touch capability. It is designed to deliver a new generation of applications and emerging multi-touch content standards. The ActivBoard 500 Pro is available in 87″ and 95″ versions with integrated slim-line speakers and amplifier, ActivInspire 1.5 Professional Edition, Promethean ActivOffice and Promethean Applications software. The Adjustable System supports inclusion and includes a height-adjustable wall mount and a choice of Extreme Short Throw or Short Throw projectors.

ACTIVBOARD GENERAL SPECIFICATIONS

Model	ActivBoard 500 Pro Range
Pen Internal Resolution	2730 points (lines) per inch
Pen Output Resolution	200 points (lines) per inch
Pen Tracking Rate	200 inches per second providing a fast response to pen commands
Pen Output Rate	160 coordinate pairs per second (single user) 80 coordinate pairs per second (dual user)
User Input	Cordless battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen) and touch
Touch Resolution	18 points (lines) per inch
Touch Output Rate	80 coordinate pairs per second
Touch Response Rate	10 ms
Maximum Simultaneous Touches	2 with ActivInspire 1.5 Professional Edition 4 with Windows 7
Digitizing Technology	Passive Electromagnetic and Capacitive sensing interface encased behind robust melamine for technical reliability and durability
Power Requirement	Mains Powered; 18V Power Supply Unit
Connection to Computer	1 x 3m USB data cable supplied
Connection to Peripherals	2 x USB ports on left hand side
Screen Surface	Low Glare Melamine
Certifications	UL, CE, FCC
Operating Temperature Range	0°C to +40°C (32°F to 104°F)
Storage Temperature Range	-20°C to +60°C (-4°F to 140°F);
Storage Humidity	10% to 90% (non-condensing)
Dual User Functionality	**Pen:** 1 Teacher ActivPen and 1 Student ActivPen can be used together in Dual-User Mode when using ActivInspire 1.5 Professional Edition **Pen and Touch:** 1 Student ActivPen and simultaneous additional two-touch gesture supported when using ActivInspire 1.5 Professional Edition
Single User Functionality	**Pen:** 1 Teacher ActivPen **Touch:** Two-touch gesture supported when using ActivInspire 1.5 Professional Edition

ActivBoard 500 Pro Adjustable with PRM-30 or PRM-35 projector

ActivBoard 500 Pro Adjustable with EST-P1 projector

The **Activ**Classroom *by* PROMETHEAN   ActivBoard 500 Pro Adjustable SS 03-11-V2.2 UK

INTERACTIVE WHITEBOARD SYSTEM

ACTIVBOARD GENERAL SPECIFICATIONS (CONTINUED)

Integrated USB Sound	Two integrated slim-line speakers and amplifier (with controls, inputs and outputs)
Packed Contents List	ActivBoard 587 Pro or ActivBoard 595 Pro, 2 Teacher ActivPens, 2 Student ActivPens, 1 AMP PSU, User Guide, Access to ActivInspire 1.5 Professional Edition, Promethean ActivOffice and Promethean Applications via download from Promethean Planet. (ActivInspire and Promethean ActivOffice are also available on DVD on request), 1 x 3m USB data cable

INTEGRATED USB SOUND SPECIFICATIONS

Amplifier Power Output	20W per channel RMS (<1% distortion)
Controls	Volume, Bass, Treble, on/off
Amplifier Frequency Response	40Hz to 18kHz +/-3dB (at 1W)
USB Sound	USB Sound supported for Minimum System Requirements stated
Connectivity – Inputs (4)	Stereo PC, Stereo CD/DVD, Mono Auxiliary, Microphone to PC via PC
Connectivity – Outputs (2)	2 Stereo
Power Requirement	18V 5 Amp

ACTIVBOARD SPECIFICATIONS

Model	ActivBoard 587 Pro	ActivBoard 595 Pro
ActivBoard Size	87in	95in
Resolution	14600 x 9200	17200 x 9200
Screen Formats	16:10	16:9
Overall Dimensions	2105mm x 1329mm (82.9in x 52.3in)	2336mm x 1329mm (92in x 52.3in)
Active Area Dimensions	1865mm x 1175mm (73.4in x 46.3in)	2095mm x 1175mm (82.5in x 46.3in)
Active Area Diagonal	2196mm (86.5in)	2394mm (94.3in)
Actual Image Diagonal	2193mm (86.4in)	2392mm (94.2in)
Board Weight	40kg (88lb)	48kg (106lb)
Packed Weight	57kg (126lb)	65kg (143lb)
Packed Dimensions	2270mm x 1500mm x 110mm (89.4in x 59.1in x 4.3in)	2572 mm x 1495mm x 110mm (101.3in x 58.9in x 4.33in)

ADJUSTABLE FRAME SPECIFICATIONS

Projector Model	PRM-30, PRM-35	EST-P1
Board Size	Accommodates ActivBoard 587 Pro or 595 Pro	Accommodates ActivBoard 587 Pro or 595 Pro
Height Settings	Height-adjustable mount, with 600mm (23.6in) of adjustment from 350mm (13.8in) to 950mm (37.4in) ± 50mm (1.9in). Top and bottom limit stops are fitted if the full range of movement is not required/appropriate. Height adjustment is powered by an electrical motor and is operated using a switch on the side of the stand.	Height-adjustable mount, with 600mm (23.6in) of adjustment from 350mm (13.8in) to 950mm (37.4in) ± 50mm (1.9in). Top and bottom limit stops are fitted if the full range of movement is not required/appropriate. Height adjustment is powered by an electrical motor and is operated using a switch on the side of the stand.
Projector Mount	Aluminium arm, extends 1605mm (63in) from the wall, adjusts with the height of the ActivBoard reducing the need for specific re-calibration following height adjustment.	Aluminium arm, extends 550mm (21.7in) from the wall, adjusts with the height of the ActivBoard reducing the need for specific re-calibration following height adjustment.
Room Height Requirements	Min. 2.66m (104.7in) for full range operation	Min. 2.66m (104.7in) for full range operation
Integrated Power Management	For ActivBoard, Projector and Actuator	For ActivBoard, Projector and Actuator
Actuator	Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 30mm/s (no load), 20mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug	Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 30mm/s (no load), 20mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug
Frame Weight (approx.)	62.1kg (136.6lb) excl. board, projector and cabling	59.1kg (130lb) excl. board, projector and cabling
Complete System Weight (approx.)	ActivBoard 587 Pro including; PRM-30 Projector 107.8kg (237.2lb) PRM-35 Projector 104.8kg (242.7lb) ActivBoard 595 Pro including; PRM-30 Projector 115.8kg (254.8lb) PRM-35 Projector 112.8kg (248.2lb)	ActivBoard 587 Pro including; EST-P1 Projector 108.1kg (237.8lb) ActivBoard 595 Pro including; EST-P1 Projector 116.1kg (255.4lb)
Connectivity Panel	Connectivity panel with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-Video, composite video plus auxiliary audio jack inputs, Cat 5e Ethernet input. Connectivity panel can be mounted on the left or right-hand side of the Frame.	Connectivity panel with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-Video, composite video plus auxiliary audio jack inputs, Cat 5e Ethernet input. Connectivity panel can be mounted on the left or right-hand side of the Frame.

INTERACTIVE WHITEBOARD SYSTEM

ADJUSTABLE FRAME SPECIFICATIONS (CONTINUED)

Cables	Cable assembly includes; 2 x 4m (13.1ft) VGA panel mount (fully wired to support VESA DDC), 4m (13.1ft) S-Video panel mount, 4m (13.1ft) composite video panel mount, 4m (13.1ft) Ethernet panel mount, 2.8m (9.2ft) USB cable, 2.5m (8.2ft) right angle stereo jack to panel mount jack socket, 2.5m (8.2ft) right angle stereo jack to panel mount phono pair, for PC audio input. To connect the computer to the face plate: 2m (6.6ft) USB patch cable; and a 2m (6.6ft) VGA cable provided in the projector box.	Cable assembly includes; 2 x 4m (13.1ft) VGA panel mount (fully wired to support VESA DDC), 4m (13.1ft) S-Video panel mount, 4m (13.1ft) composite video panel mount, 4m (13.1ft) Ethernet panel mount, 2.8m (9.2ft) USB cable, 2.5m (8.2ft) right angle stereo jack to panel mount jack socket, 2.5m (8.2ft) right angle stereo jack to panel mount phono pair, for PC audio input. To connect the computer to the face plate: 2m (6.6ft) USB patch cable; and a 2m (6.6ft) VGA cable provided in the projector box.
Pack Weights & Dimensions	**Box 1 of 3:** 18.2kg (40lb) Dimensions: 217mm x 1427mm x 467mm (8.54in x 56.18in x 18.39in) Contents: Boom **Box 2 of 3:** 22.6kg (49.7lb) Dimensions: 182mm x 1652mm x 442mm (7.2in x 65in x 17.4in) Contents: Spine **Box 3 of 3:** 11.6kg (25.5lb) Dimensions: 128mm x 1782mm x 822mm (5.04in x 70.16in x 32.36in) Contents: Frame	**Box 1 of 3:** 15.6kg (34.3lb) Dimensions: 217mm x 1427mm x 467mm (8.54in x 56.18in x 18.39in) Contents: Boom **Box 2 of 3:** 22.6kg (49.7lb) Dimensions: 182mm x 1652mm x 442mm (7.2in x 65in x 17.4in) Contents: Spine **Box 3 of 3:** 11.6kg (25.5lb) Dimensions: 128mm x 1782mm x 822mm (5.04in x 70.16in x 32.36in) Contents: Frame

PROJECTOR SPECIFICATIONS

Model	PRM-30 (LCD)	PRM-35 (DLP)	EST-P1 (DLP)
Native Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Compressed Resolution	up to 1080i	up to 1080i	up to 1080i
Typical Colours	16.77 million colours	16.77 million colours	16.77 million colours
Brightness (ANSI lumens)	1900lm (normal), 1500lm (normal 2), 2500lm (high)	2100 ANSI (normal) 2500 ANSI (high)	2200 ANSI (normal) 2500 ANSI (high)
Contrast Ratio	500:1	2000:1	2000:1
Noise Level	29dB (normal) 36dB (high brightness mode)	32dB (normal) 36dB (high)	28dB (normal) 32dB (high brightness mode)
Dimensions (w x d x h)	382mm x 430mm x 129mm (15in x 16.9in x 5in)	306mm x 275mm x 97mm (12in x 3.8in x 10.1in)	354mm x 319mm x 157mm (13.9in x 12.6in x 6.1in) not including lens 354mm x 411mm x 219mm (13.9in x 16.1in x 8.6in) including lens
Weight	5.7kg (12.5lb)	2.7kg (6lb)	9kg (19.8lb)
Aspect Ratio	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9
Power Consumption	317W (<0.8W standby)	230W (<1W standby)	290W (<1W standby)
Device Type	LCD Technology	DLP Technology	DLP Technology
Focus	Manual Focus	Manual Focus	Manual Focus
Zoom	Digital Zoom	Digital Zoom	N/A
Focal Length	Fixed	F=2.86	F=2.4
Projection Distance	0.54m ~ 1.22m (21.3in ~ 48in)	0.54m ~ 1.22m (21.3in ~ 48in)	0.39m ~ 0.56m (15in ~ 22in)
Projection Screen Size	1.27m ~ 2.79m (50in ~110in)	1.27m ~ 2.79m (50in ~110in)	1.98m ~2.79m (78in ~ 110in)
Lamp Type	230W lamp	230W lamp	220W lamp
Lamp Life	4000 hrs (normal), 3000 hrs (high)	6000hrs (normal), 4000hrs (high)	6000hrs (normal), 4000hrs (high)
Keystone Correction	Vertical: max ±20º	Vertical: max ±15º	Vertical: max ±15º
Operating Temperature	5ºC ~ 35ºC (41ºF ~ 95ºF)	5ºC ~ 35ºC (41ºF ~ 95ºF)	5ºC ~ 35ºC (41ºF ~ 95ºF)
Power Supply Voltage	100 ~ 240V AC, 50/60Hz	100 ~ 240V AC, 50/60Hz	100 - 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz	15Hz ~ 90kHz	15Hz ~ 90kHz
Vertical Scan Rate	50Hz ~ 85Hz	50Hz ~ 85Hz	43Hz ~ 85Hz

PROJECTOR SPECIFICATIONS (CONTINUED)

Computer Compatibility	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)
Video Compatibility	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)
Inputs/Outputs	D-sub 15 (RGB) x 1 D-sub 15 (RGB) selectable x 1 HDMI (Digital RGB) x 1 S-Video x 1 Composite Video (RCA) x 1 RCA (white/red) x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1 Stereo mini-jack x 1	D-sub 15 (RGB) x 2 D-sub 15 (Monitor out) x 1 HDMI V.1.3 only for Video x 1 S-Video (Mini DIN 4-pin) x 1 Composite Video (RCA) x 1 USB control x1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1	D-sub 15 (RGB) x 2 HDMI V1.3 x 1 S-Video x 1 Composite Video (RCA) x 1 USB control x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1
Colour	Silver	Silver	Silver
Security	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock, Security cable bar option, pin code security, remote control operated only
On-screen Menu	Arabic, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Kazak, Korean, Norwegian, Polish, Portuguese, Portuguese (Brazilian), Romanian, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Advanced Features	Long Life Filter – 4000hrs Cable Management Cover Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption
Packed Contents List	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)

MINIMUM COMPUTER REQUIREMENTS

Operating Systems	Windows XP SP3 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.4 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 9.10 or 10.04; Debian Lenny; Linex Colegios 2010; Linkat 3; ALT_Linux (Russia)
PC	2.0 GHz Intel Core 2 Duo or faster for HD-quality videos, 1 GB of RAM is required to play HD-quality videos, 1024 x 768 resolution, 1.5 GB of Free Disk Space
Mac	2.0 GHz Intel Core 2 Duo, 512 MB of RAM, 1024 x 768 resolution, 3.0 GB of Free Disk Space
Linux	2.0 GHz Processor or faster for HD-quality videos, 1 GB of RAM is required to play HD-quality videos, 1024 x 768 resolution, 1.5 GB of Free Disk Space

INSTALLATION

ActivBoard 500 Pro Adjustable System	The installation of this product should be completed by a Promethean Certified Installer. Please visit www.PrometheanWorld.com/ActivCare/installationtc. Components supplied and minimum specifications stated have been tested and are required for optimal performance. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.Prometheankb.com for more information

UPGRADE AND ACCESSORY OPTIONS

Cable Wall Box	Connectivity box with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-Video, composite video plus auxiliary audio jack inputs, Cat 5e Ethernet input. Allows additional flexibility during installation, where the computer is located further away from the System.
ActivWand 50	Wireless, battery-free and extended reach input device for the ActivBoard – 540mm (21.2in) in length; "left click", cursor and hover, just like a mouse
Dry Erase Whiteboard	Optional dry erase whiteboard, can use 1 or 2 dry erase whiteboards per System
Laptop Shelf	Storage for 1 laptop, with a maximum size of a standard 43cm (17in) laptop

WARRANTY AND SUPPORT[†]

Warranty	For Promethean Warranty Information please visit: www.PrometheanWorld.com/ActivCare
Support	Online Support for all Promethean Products available from: www.Prometheankb.com

ActivBoard 500 PRO Adjustable System

INTERACTIVE WHITEBOARD SYSTEM

Product Specifications

TECHNICAL DRAWING SPECIFICATIONS

DIMENSION BOARD SIZE	'Y' mm	'Y' in	'Z' mm	'Z' in
87"	2241	88.2	2488	98
95"	2345	92.3	2592	102

DIMENSION BOARD SIZE	'Y' mm	'Y' in	'Z' mm	'Z' in
87"	2241	88.2	2488	98
95"	2345	92.3	2592	102

DIMENSION BOARD SIZE	'X' mm ±10	'X' in ±0.4	'Y' mm +10 -30	'Y' in +0.2 -1.2	'Z' mm	'Z' in
87"	730	28.0	2254	88.7	2563	100.9
95"	710	29.5	2284	89.9	2593	102.1

DETAIL A (1 : 2)

VGA 1, VGA 2, USB, CAT5, S-VIDEO, C-VIDEO, RED PHONO, WHITE PHONO, STEREO

The ActivClassroom *by* PROMETHEAN